

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
John SANTHOFF et al.
Serial No.: To be assigned
Filed: February 3, 2004
For: OPTIMIZATION OF ULTRA-WIDEBAND COMMUNICATION THROUGH A WIRE MEDIUM

San Diego, California

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir or Madam:

In accordance with 37 C.F.R. § 1.56, Applicants make the documents listed on the enclosed form PTO/SB/08 (submitted in duplicate) of record in the above-identified application.

In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

Copies of the U.S. patents and U.S. patent application publications listed on the enclosed form PTO/SB/08 are not enclosed, in accordance with the waiver of the requirement of 37 C.F.R. § 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 that appears in the Official Gazette Notice (Week No. 31) dated August 5, 2003 and entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003".

The foreign patent document listed on the enclosed form PTO/SB/08 was cited in earlier application Serial No. 10/177,313. Therefore, in accordance with 37 C.F.R. § 1.98(d), a copy of the foreign patent document listed on the enclosed form PTO/SB/08 is not enclosed.

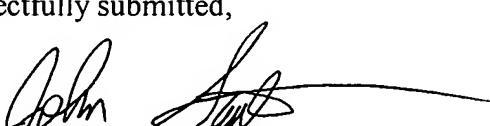
It is respectfully requested that the documents listed on the enclosed form PTO/SB/08 be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent which may issue on this application. It is also respectfully requested that a copy of the enclosed form PTO/SB/08, as considered and initialed by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

This Information Disclosure Statement is filed within three months of the filing date of the above-identified application, pursuant to 37 C.F.R. 1.97(b). Therefore, it is believed that no fee is required in connection with this submission.

Respectfully submitted,

2 - 3 - 2004

Date


John Santhoff
1969 Kellogg Road
Carlsbad, CA 92008

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	To be assigned
Sheet	1	Filing Date	February 3, 2004
	of	First Named Inventor	John Santhoff
	2	Art Unit	To be assigned
		Examiner Name	To be assigned
		Attorney Docket Number	
		057-116	

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (<i>if known</i>)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 3,728,632	04-17-1973	Gerald F. Ross
		US- 4,641,317	02-03-1987	Larry W. Fullerton
		US- 4,743,906	05-10-1998	Larry W. Fullerton
		US- 4,813,057	03-14-1989	Larry W. Fullerton
		US- 4,815,106	03-21-1989	Michael B. Propp
		US- 4,864,589	09-05-1989	Kaoru Endo
		US- 4,979,186	12-18-1990	Larry W. Fullerton
		US- 5,051,720	09-24-1991	Kitti Kittirutsuneto
		US- 5,363,108	11-08-1994	Larry W. Fullerton
		US- 5,491,463	02-13-1996	Matthew G. Sargeant
		US- 5,554,968	09-10-1996	Raymond Lee
		US- 5,677,927	10-14-1997	Larry W. Fullerton
		US- 5,687,169	11-11-1997	Larry W. Fullerton
		US- 5,729,607	03-17-1998	Anthony DeFries et al.
		US- 5,745,837	04-28-1998	Amir Michael Fuhrmann
		US- 5,744,526	06-30-1998	Michael B. Propp et al.
		US- 5,864,284	01-26-1999	Lelon Wayne Sanderson
		US- 5,937,342	08-10-1999	Paul A. Kline
		US- 5,940,387	08-17-1999	Richard Humpleman

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)		Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		WO 02/31986	04-18-2002	Xtremespectrum, Inc.

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Number-Kind Code ² (<i>if known</i>)			
		US- 5,982,276	11-09-1999	William L. Stewart	
		US- 6,031,862	02-29-2000	Larry W. Fullerton et al.	
		US- 6,040,759	03-21-2000	Lelon Wayne Sanderson	
		US- 6,178,217	01-23-2001	Anthony DeFries et al.	
		US- 6,281,784	8-28-2001	Robert E. Redgate et al.	
		US- 6,373,377	04-16-2002	Frank Sacca et al.	
		US- 5,523,760	06-04-1996	McEwan	
		US- 6,586,999	07-01-2003	Richley	
		US- 2001/0011930 A1	08-09-2001	Kintis et al.	
		US- 2002/0076193 A1	06-20-2002	Melick et al.	
		US- 2003/0202537 A1	10-30-2003	Rogerson et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)				

Examiner Signature		Date Considered	
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